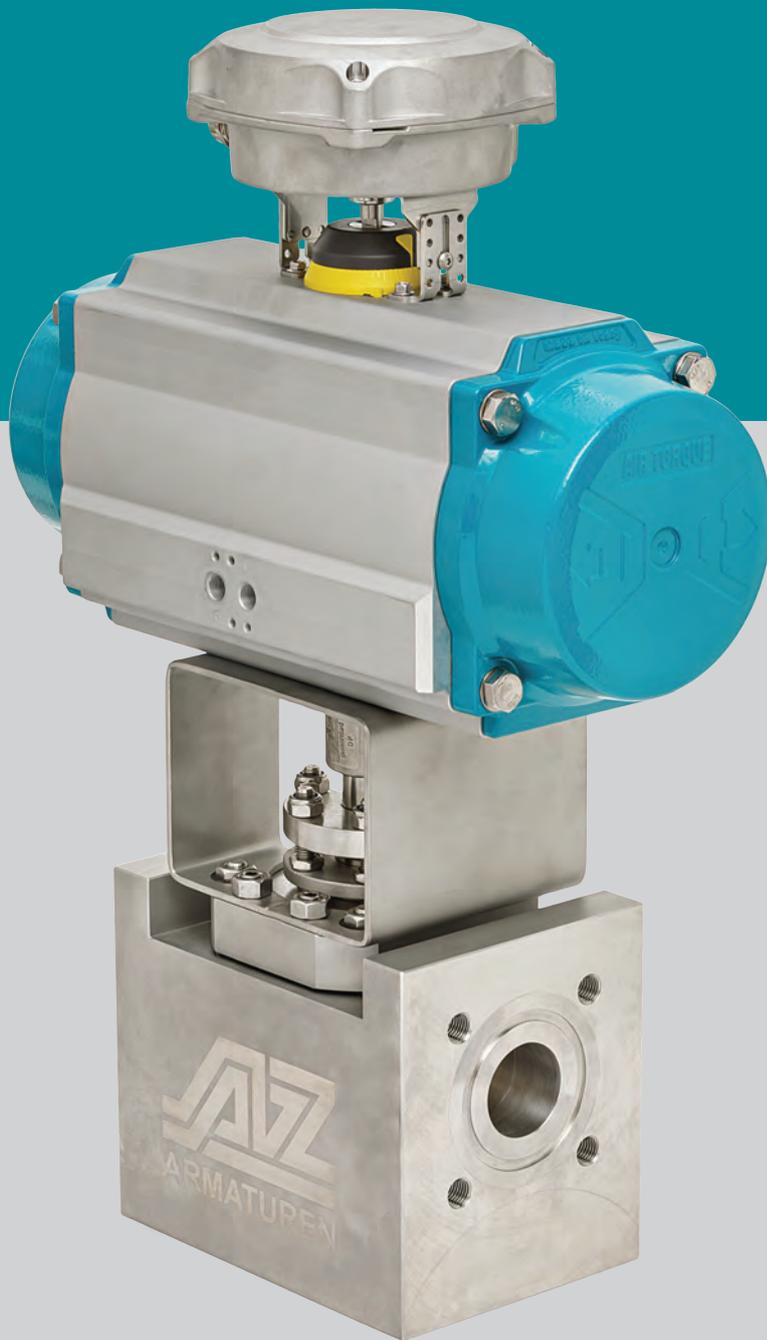


Pneumatic actuators



- compact design
- single and double acting

Range of application:
 $-10 < T < 150^{\circ}\text{C}$
others on request

Design characteristics

- mounting-flange for actuators acc. to ISO 5211
- patented cardanic AZ coupling
- plug adjustment freely accessible
- multi position actuators

Options

- declutchable gear box
- locking devices
- flange extention
- ratchet coupling
- endposition damping
- Accessories
- ATEX design
- other materials
- on-site operation

Pneumatic actuators

Rack-and-Pinion design

Type	Description	Turning range	Safety position
single acting <ul style="list-style-type: none"> ● operation: pneumatic ● return: spring acting 	in case of air failure, valve switches to its safety position (spring return actuator)	0°→ 90° 0°→120° 0°→180°	0° / 90°/ 180° (optional)
double acting <ul style="list-style-type: none"> ● operation: pneumatic ● return: pneumatic 	for standard applications, safety position not possible, valve remains in position	0°↔ 90° 0°↔120° 0°↔180°	not applicable
double acting with reserve air vessel <ul style="list-style-type: none"> ● operation: pneumatic ● return: pneumatic 	in case of air failure, valve can be operated one or several times	0°→ 90° 0°→120° 0°→180°	0° / 90°/ 180° (optional)
3-position actuator for 3-way valves <ul style="list-style-type: none"> ● operation: pneumatic (all) ● endposition damping 	Please note: When installing an AZ ratchet coupling, multi-way valves can be used with standard quarter turn actuators for many solutions without complicated actuator technology	0°→90→180° 0°→120→240°	not applicable
3-position actuator with spring centered middle position <ul style="list-style-type: none"> ● operation: pneumatic ● return: spring acting 	in case of air failure, valve returns to its middle position	0°→ 90° 0°→120° 0°→180°	45°/60°/90° (optional)



Pneumatic actuator with 180° turning range, for 3-position valves